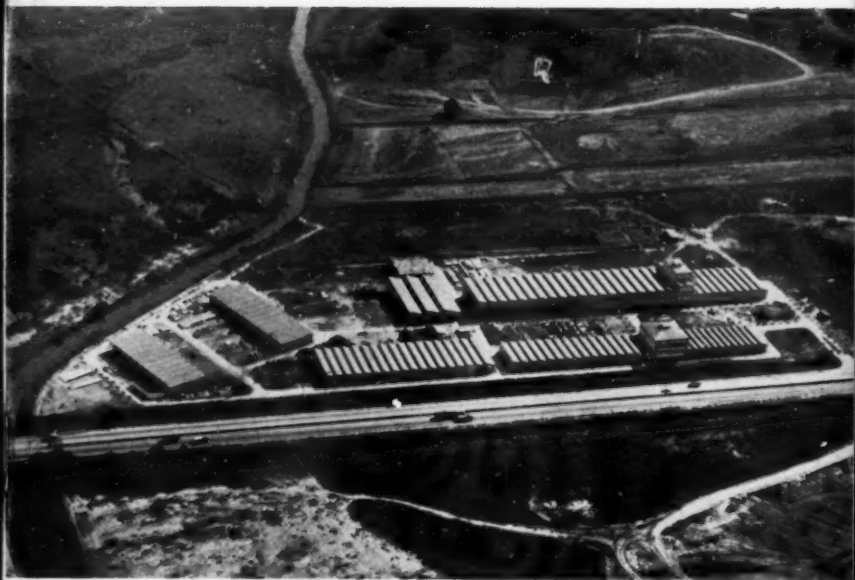


ASBESTOS



"Asbestos-Cement Plant, Casa Sano, S. A., Rio de Janeiro, Brazil"

APRIL 1958

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Number 10

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ASBESTOS INDUSTRY EXPANDING FOR NEW RECORDS

Canada's asbestos industry which in 1957 chalked up near-record production totals and a record \$100-million-plus value of production may be headed for new heights in 1958.

This year two new companies are scheduled to join the ranks of Quebec's seven asbestos producers.

They will add 120,000 tons of annual fibre capacity to the industry, result in employment of 500 additional men.

The two are National Asbestos Mines Ltd. (a subsidiary of National Gypsum Co., Buffalo, N. Y.) and the Lake Asbestos properties in which American Smelting & Refining Co. and United Asbestos share.

In October of last year the country's asbestos producers hiked prices an average 5% on all grades.

Little of the increase will reflect in profits however, as the higher price little more than offsets higher labor and other production costs.

In addition the industry has changed the basis of payment from U. S. to Canadian funds in order to minimize losses due to fluctuation of the discount on the U. S. dollar.

It's believed that the level of shipments attained in 1957 — second highest in the industry's history — may to some extent have been at the expense of 1958 shipments.

The industry generally is heartened by indications of an apparent upward trend in home construction following last year's slump both in Canada and in the U. S. While only one of hundreds of uses, home building is an important outlet for asbestos.

In Quebec, heart of the industry, total cost of capital programs either just completed or under way exceeds \$60 million.

Lake Asbestos is spending \$32.5 million to bring a 600 acre property at Black Lake — in the Thetford area — into production.

Production target is mid-1958. Eventually output: 100,000 tons of fibre annually.

Ore reserves are estimated at 47 million tons. A mine

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life of 50-75 years has been established with enough ore to support open-pit operations for 20 years.

Sharing in the profits of the Lake Asbestos project will be United Asbestos which transferred its properties to Asarco.

In the Thetford Mines area National Asbestos Mines is currently working on the final phases of a 3,000 ton per day operation. The project, capital costs of which have not been revealed, is scheduled to get into production this June. The company plans to send some of its production to Europe.

At Asbestos, Canadian Johns-Manville has completed a \$1 million extension to its mill and a second main shaft to underground workings. The company now will undertake a \$3,850,000 program designed to extend the life of its open-pit mine into the early 1960's.

To do this the company will remove 5.3 million cu. yd. of overburden from the pit. Overburden will be trucked in company vehicles to a dump-site one mile distant. Two underpasses to be built under Manville Street in Asbestos will permit movement of the overburden without disruption of normal traffic.

Included in the project are construction of new mill slips, crushing facilities and provision of additional driers.

The project will make several million tons of additional open pit ore available to the company. Open pit mining is less costly than underground mining. In addition it results in a more flexible and uniform product.

Johns-Manville is Canada's largest asbestos producer.

Carey-Canadian Mines is replacing the existing mine and mill of Quebec Asbestos Corp. at East Broughton, 15 miles north of Thetford Mines.

The new Carey mine will have a capacity of 2,000 to 2,500 tons per day. Capital cost of the project — scheduled for completion in the first half of this year — is \$8 million.

Both Carey Canadian and Quebec-Asbestos are subsidiaries of the Philip Carey Manufacturing Co., Cincinnati, Ohio.

In Thetford Mines, Asbestos Corp. is working on a

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"Avenue Lodge," Bounds Green Road,
LONDON, N 22

JAPAN Iwai & Company, Ltd. C. P. O. Box 226
TOKYO

BELGIUM JOS IDE & FILS, 23, rue Marayde,
BRUSSELS (Woluwe St. Pierre)

GERMANY ERNST WERNER, Import von Rohasbest,
Katharinenstrasse 30, "Edmundhaus,"
HAMBURG II,

\$5.5 million expansion and renovation at its King and Beaver mines. A new mill — the King-Beaver mill — is being built on the site and with parts of the old Beaver mill.

When complete it will treat ore from both King and Beaver mines. The King mill, now in operation, will be closed.

The multi-million-dollar program was made necessary by conditions at King mine where settling resulting from underground mining operations is endangering surface plant.

As a result of the changes a large tonnage of otherwise unminable underground ore and one comparatively small surface ore body will be made available. They will act as reserves for the modernized mill.

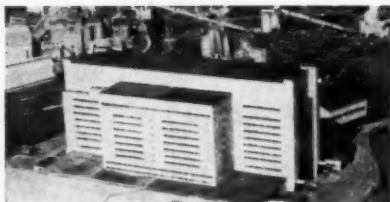
The project is scheduled for completion in the latter part of this year.

Elsewhere in Canada, Advocate Asbestos is seeking finances to bring its Newfoundland deposit at Baie Verte into production. Advocate has outlined some 29 million tons of ore grading \$8.17 a ton. It has several untested occurrences on its property. It is estimated that \$10 million would be required to place the property in production at 2,000-ton daily rate which could be readily doubled at an additional cost of \$3 million.

Cassiar Asbestos, which brought its B. C. asbestos property into production in 1954, expects to pay its first dividend later this year. Company has a long-range development program under way at the mine and has increased its mill capacity to 1,000 tons daily.

A new extreme pressure packing lubricant is now being marketed by The Garlock Packing Company of Palmyra, N. Y. The new product, Luball, is a premium grease to which has been added molybdenum disulfide.

Further information concerning this new lubricating grease can be obtained by writing to The Garlock Packing Company, 425 Main Street, Palmyra, New York.



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JOHNS-MANVILLE



MINERAL COMMODITIES OF CALIFORNIA BULLETIN NO. 176

Mineral Commodities of California: Geologic Occurrence, Economic Development, and Utilization of the State's Mineral Resources is the title of the latest publication of the California Division of Mines. Olaf P. Jenkins, Chief of the Division, stated that the new book, Bulletin 176, is one of the most comprehensive projects yet undertaken by the staff of the Division. It is a large volume summarizing all significant aspects of the mineral commodities that occur or are used in California.

It has two principal purposes: (1) to provide concise descriptions of the nature, distribution, and abundance of the various mineral commodities in the state, and to compare these deposits with those that occur elsewhere in the United States and the world; and (2) to provide the prospector or owner of an undeveloped deposit with data on the preliminary recognition of useful minerals and rocks, and with marketing and specification information that will assist in an understanding of the problems involved in realizing a profit from a mining operation.

The preparation of these sections generally has involved (1) a thorough review of the literature on the commodities involved; (2) conferences and correspondence with persons familiar with the deposits, treatment, or marketing procedures; and (3) field investigations of deposits and utilization in California.

Nearly every member of the technical staff of the Division of Mines has contributed one or more of the 80 sections that comprise this volume.

One of the authors, Lauren A. Wright, served as principal editor of this volume. He has edited the book in such a fashion that wherever possible, the sections have been organized similarly and include a summary statement followed by discussions of mineralogy, general geology, occurrences in California, mining methods, treatments, utilization, marketing, and prices. The coverage of mineralogy and general geology has been kept brief to minimize the repetition of data that can be found in standard textbooks on mineralogy and economic geology. Conse-

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never unravels!***



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A combination of exceptional electrical and thermal insulating properties with high tensile strength makes Johns-Manville Asbestos Tape a highly useful and versatile product. It insulates wires, coils, cables and other electrical conductors; controls heat in small steam pipes and bends; serves as a conveyor belt for hot materials; and, with wire inserts, is used where high temperatures and abrasive conditions prevail or where greater

physical strength is required.

Johns-Manville Asbestos Oil Burner Wicking is a special type of tape made for maximum efficiency in this service. In addition to the generally used closely woven plain tapes, Johns-Manville furnishes open mesh weaves, looped edges and other styles. For more information, ask for new brochure TX-2A. Johns-Manville, Bo.
New York 16, N. Y. 111
Canada, Port Credit, Ont.



Johns-Manville ASBESTOS TEXTILES

quently, only the more obvious and diagnostic physical properties of some commodities have been noted. Many of the discussions of general geology include descriptions of individual out-of-state deposits.

Special emphasis has been placed on the geological processes that have led to the formation of economic mineral deposits in certain terranes and in well-defined geographic belts in California. Such recognized belts are especially likely areas for prospecting, and wherever possible the authors have attempted to delineate them on commodity location maps.

Bulletin 176 contains a chapter on Asbestos, written by Salem J. Rice. It includes information on mineralogy and geologic occurrences, localities, tables and illustrations.

Bulletin 176 is a large book, ($8\frac{1}{2}'' \times 11''$), more than 700 pages in length, bound in blue cloth. It is amply illustrated by photographs, charts, diagrams, and maps. Its price is \$7.50, plus tax. Copies may be ordered by mail from the Division's offices in the Ferry Building, San Francisco 11, California. Those wishing to consult it or to purchase copies over-the-counter may do so at the San Francisco office, or at the branch offices in Redding (Natural Resources Building, Cypress and Lanning Streets), Sacramento (State Office Building No. 1), or Los Angeles (State Building, 217 W. First Street).

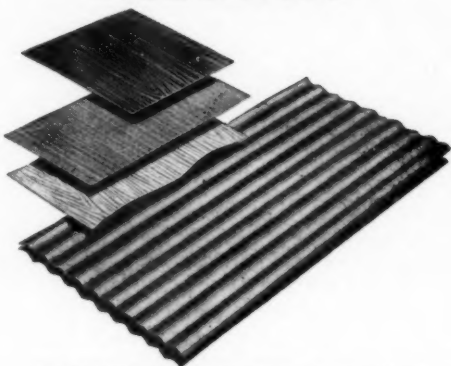
Sub-arctic buildings are now snug and compact, tough and wind proof, warm and unmeltable all thanks to Quebec's magic mineral — asbestos.

In an experiment carried by the Department of Northern Affairs at Frobisher Bay, Baffin Island, two 16 feet by 34 feet buildings use plastic foam panels faced with asbestos board — a type of "sandwich panel" — to slide into place between posts and beams of precut lumber.

An Eskimo family will live in the new buildings during the winter as part of the experiment to discover if asbestos is perhaps the answer to problems in sub-arctic building construction.

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J-M CLAIMS NEW INSULATING MATERIAL FOR USE IN MISSILES

Johns-Manville Corporation disclosed it is supplying the Government with quantities of a new insulating material the company said is being used in at least one operational missile.

Company officials said the new material called Min-K, is being shipped for use also as a test material in insulating vital parts of missiles.

According to Dr. Clifford F. Rassweiler, vice president of research and development, the new material provides effective insulation of missile components with half the thickness of conventional aircraft insulating materials. With Min-K, he said, a missile could carry as much as 20% more fuel, or pack a larger warhead. Insulating materials, are used near the rocket engine, to protect against engine heat, or in the nose cone, to protect against frictional heat.

The new insulating material is a non-metallic, inorganic material composed of silica, asbestos "and other materials". Conventional aircraft insulation is made up of ceramic fibres which "do not insulate well enough". Min-K could do the job of ceramic fibres "twice as well".

The new material can withstand "constant" temperature of about 1,300 degrees Fahrenheit, according to the company. It was reported that the company is combining Min-K with an asbestos-reinforced plastic which will stand up to 3,000 degrees for short periods of time. Missiles go through what scientists call "transient" heat periods, when the frictional heat may go from 1,000 degrees to as much as 3,000 degrees for brief durations.

The company is producing Min-K at a pilot plant in Manville, N. J., with the "possibility" facilities for making the material will be expanded.

The 62nd Annual Meeting of the National Fire Protection Association will be held at the Palmer House, Chicago, Illinois, May 19 - 23, 1958.

CANADIAN ASBESTOS



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Norbestos (via Warwick)
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Florham Park*, New Jersey

***Suburb of New York City.**

NATIONAL CEMENT ASBESTOS ERECTORS ASSOCIATION

Announcement of the formation of the NATIONAL CEMENT ASBESTOS ERECTORS ASSOCIATION, a corporation, was issued on February 15, 1958 by C. C. Figge, Executive Director.

Mr. Figge, head of Figge Enterprises, and formerly Executive Secretary of the National Roofing Contractors Association, has established the office of the new Association at 189 West Madison Street, Chicago 2, Illinois.

"The creation of this new trade association", he said, "heralds the national recognition of the importance of this industry which has for many years performed a note-worthy and illustrious service in its part of the building industry".

The new organization is national in scope and its regular members comprise those concerns engaged in the installation of CEMENT-ASBESTOS products.

The officers are: President: J. Frank Hess — Edwin G. Smith & Co., Pittsburgh, Pa.; Vice President: Louis E. Kiernan—Kiernan-Gregory Corporation, St. Louis, Mo.; Secretary-Treasurer: H. C. Lindelow—Asbestos Corrugated Constr. Co., Somerville, N. J. The established Board of Trustees comprises the following members: J. Frank Hess; Louis E. Kiernan; H. C. Lindelow; Jas. C. Miller — Illinois Roofing & Insulating Co., Chicago, Ill.; and Alvan D. Simpson — Asbestos Erectors, Inc., Bound Brook, N. J.

The National Safety Council has two new publications available for industry—one for employees, the other for foremen.

The publications, "Rules for Safety" and Book 8 in a series of "Five Minute Safety Talks for Foremen", are designed to promote safety in industry.

Free copies of descriptive brochures on the literature are available from the National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

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Com. Brasileira de Productos em Cimento Armado, "Casa Sano," S. A. Rio de Janeiro, Brazil, was established around 1918 by Dr. Oscar Sjostedt, the present President of the company and his two sons, Oscar as Commercial Manager and Carlos as Industrial Manager. In 1928 Mr. Ernst Heide, an old Danish friend of Dr. Oscar Sjostedt, joined the company as General Manager.

At first Casa Sano manufactured concrete products of all kinds, then expanded to include asbestos-cement products such as corrugated sheets and pipes.

The factory, see *cover photograph*, is constructed entirely in precast concrete made by Casa Sano and covers an area of about 180,000 square feet on a property of practically one million square feet. Casa Sano still has about 500,000 sq. ft. of land for the erection of plants for the manufacture of building materials and is interested in contacting United States firms and industries who might want to participate in new developments in Brazil.

Two new items have just been introduced by The Pioneer Rubber Company of Willard, Ohio, as part of their continuing program of providing hand protection services to industrial glove users.

An attractively illustrated, 17" x 22" two-color wall chart with an easy-to-read index displays the full line of Pioneer Industrial gloves giving all necessary specifications of each model as to material, weight, size, etc.

The second item, a handy pocket folder, offers a comprehensive guide with instructions for selecting the correct glove for a particular industrial application.

Both the industrial glove wall chart and glove selector check list are available through regional Pioneer Distributors, or directly from The Pioneer Rubber Company, 296 Tiffin Road, Willard, Ohio.

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SAN FRANCISCO, CAL.:	L. H. BUTCHER CO. 15th and Vermont Sts.
	CANADA:
TORONTO 1, ONT.:	CANADIAN ASBESTOS ONTARIO, LTD. 27 Front St., East

CANADIAN SPECIFICATIONS

The list of Canadian Specifications has been revised as of January 2, 1958 and a copy can be obtained from the Secretary, Canadian Government Specification Board, National Research Council, Ottawa 2, Canada, at 10c each (except otherwise noted).

The following Asbestos materials are included in the list:

- 34—GP— 8 Asbestos-Cement Conduit, Electrical
- 34—GP—11 Asbestos-Cement Pipe, Flue
- 34—GP— 2 Asbestos-Cement Pipe, House Connections
- 34—GP—10 Asbestos-Cement Pipe, Industrial Vent
- 34—GP— 1a Asbestos-Cement Pipe, Pressure
- 34—GP— 9a Asbestos-Cement Pipe, Sewer
- 34—GP— 7a Asbestos-Cement Products; Schedule of Methods of Sampling and Testing (20 cents)

- 34—GP— 5a Asbestos-Cement Sheets, Corrugated
- 34—GP—13 Asbestos-Cement Sheets, Dielectric
- 34—GP—14 Asbestos-Cement Sheets, Flat, Decorative
- 34—GP—15a Asbestos-Cement Sheets, Flat, Flexible
- 34—GP—16 Asbestos-Cement Sheets, Fully-Compressed
- 34—GP—17a Asbestos-Cement Sheets, Flat, Semi-Compressed

- 34—GP—12 Asbestos-Cement Sheets, for Electrical Purposes

- 34—GP— 3 Asbestos-Cement Shingles, Roofing
- 34—GP— 4 Asbestos-Cement Shingles, Siding
- 51—GP— 1 Thermal Insulation (Amosite) for Piping Machinery & Boilers for Marine Use
- 51—GP— 2 Thermal Insulation (Calcium Silicate-Asbestos) for Piping, Machinery & Boilers for Marine Use
- 51—GP— 3 Thermal Insulation (85% Magnesite) for Piping, Machinery & Boilers for Marine Use
- 51—GP— 4 Thermal Insulation (Diatomaceous Silica-Asbestos) for Piping Machinery & Boilers for Marine Use (15 cents)

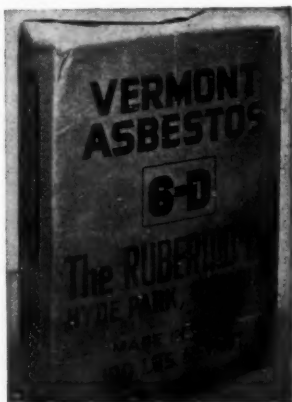
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10. No more fibre loss in package



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51—GP— 6	Cement; Insulating (15 cents)
51—GP— 7	Cement; Finishing
51—GP— 8	Asbestos Cloth and Twine for Use with Thermal Insulation (15 cents)

TRANSPORTATION OF SOUR NATURAL GAS

According to United States sources Russian engineers have successfully overcome the problem of transporting heavily-contaminated sour natural gas by carrying it in an asbestos-cement pipeline from the Bashkiria Ishimbai field—Russia's "Second Baku." Experience of this type of piping has been obtained in its previous use for gas and water. The first use is reported in 1943 on a 12-mile section of the Burguruslan-Kuibyshev pipe where gas is piped at a pressure of 88 psi and on a five-mile section of the pipeline from Andizhan fields which operates at 45 psi. The new pipe which is to extend for 19 miles is reported to operate at pressures up to 150 psi while the thickness and volumetric weight of the walls are about 20% greater than for the asbestos-cement waterpipe. It is not subject to soil corrosion and the low co-efficient of expansion obviates temperature deformation and stress while the cost of manufacture is about one-third to one-half of iron or steel pipe.

An excellent packing handbook which details a wide variety of packings, gaskets and seals and their materials of construction and uses, has been published by The Garlock Packing Company of Palmyra, New York. Designated Bulletin #AD-162, the handbook contains a detailed table listing the effect of numerous gases, liquids and solvents on packing materials from metals to synthetics to leather.

Bulletin AD-162 also lists additional bulletins available from Garlock on each style of packing for those desiring still more information on any given packing.

Copies of Bulletin AD-162 can be obtained by writing to The Garlock Packing Company, 422 Main Street, Palmyra, N. Y.



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BUILDING

Contracts for future construction in the United States in February totaled \$1,953,422,000, a ten percent decrease from February 1957, F. W. Dodge Corporation, construction news and marketing specialists, reported. This marked the second consecutive month in which contracts registered a ten percent decline.

Dollar volume of contracts in the residential category amounted to \$727,282,000, down 17 percent from the like month of a year ago. The number of one- and two-family housing units was down sharply, but apartment units again registered an increase, this time two percent. The number of dwelling units of all types totaled 59,172, a drop of 14 percent compared to February 1957.

Contracts in the non-residential category in February totaled \$750,819,000, a decrease of eight percent. The decline was due primarily to decreases in contracts for manufacturing and commercial buildings; hospitals also showed a sharp decrease. However, contracts for educational and science buildings were up two percent.

Heavy engineering contracts in February totaled \$475,321,000, a gain of two percent above the like 1957 month. A gain of 29 percent was reported in public works, but utility contracts dropped 38 percent.

Increases in contracts for streets and highways and sewerage systems accounted for the public works gain; utilities were down because of decreases in contracts for water supply systems, airports, and "other" utilities construction.

The cumulative total of contracts for the first two months of 1958 amounted to \$4,013,416,000, down ten percent from the like period of 1957. Cumulative total of contracts in the major construction categories showed; non-residential at \$1,507,111,000, down 13 percent; residential at \$1,501,212,000, down 11 percent; and heavy engineering at \$1,005,093,000, down three percent compared to the like 1957 period.

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Auriprior, Ontario

MARKET CONDITIONS

GENERAL BUSINESS.

General business conditions are showing little sign of improvement. Unemployment continues to increase and there is a very pronounced tendency for those who are employed to cut down on all but essential spending. Likewise business men are cutting down on capital expenditures, which are now predicted to be between 10 and 15 percent lower for 1958 than those of 1957. Auto sales and housing starts were down in February but the generally bad weather over much of the country certainly had some effect in both those areas.

The great debate now seems to be not whether government should act to relieve the situation, but, rather what steps should be taken by the government to curb the downswing *without* starting another round of inflation, which in turn would call for corrective measures. In many lines prices have remained firm despite decreased demand and it is difficult to see how substantial price reductions can be made in view of the inflexibility of labor costs. In fact, labor is asking for and receiving still further wage increases in most cases where contracts are being renegotiated at this time. This inflationary pressure in the face of contracting markets is an anachronism to say the least. It has thus far pretty effectively prevented us from getting cost and price reductions which could be helpful to those most seriously hurt by the current recession.

ASBESTOS — RAW MATERIAL.

Asbestos fibre shipments during the first two months of 1958, to a large extent, followed the pattern of many other industries.

Shipments were off from the same period last year ranging from 12% to 15%. The effect was felt in both domestic and export market.

A more normal shipping pattern is looked for commencing in April, when it is hoped that general business will pick up and it is definitely known that shipments

FAST FILTERING FIBRE FOR ASBESTOS — CEMENT

ADVOCATE MINES LIMITED has extensive reserves of slightly harsh, quick draining, chrysotile asbestos near tidewater in Newfoundland.

PRODUCTION PLANS are being made to begin large scale output of raw fibres in two years' time.

ASBESTOS-CEMENT MANUFACTURERS will find that the unusual quality of the fibre and its location permit low fabricating cost and high product strength.

MODERN MILL DESIGN will permit selective production of any fibre grade in Canadian Groups 4, 5, 6, plus shorts and floats.

We will be glad to forward further information on request.

ADVOCATE MINES LIMITED

Suite 908, 330, Bay Street, Toronto,
Canada.

abroad will increase due to the opening of navigation and lower transportation costs by ocean and river, rather than freight shipments to open ocean ports.

Additional asbestos production will be a continuing item during most of 1958 as new properties, long under development, will come into production.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. Textile volume is somewhat depressed from that which was experienced thirty days ago. No doubt this situation has been caused by the general economic situation and the policies created by industrials and equipment houses to refrain from ordering any material until it is absolutely needed. Inventories are being reduced and only emergency orders are being placed.

Asbestos Brake Lining. Replacement sales started off on a high level in '58 and are still good but somewhat weaker. However, anticipate a record year since new car sales are off which should increase repair sales. The equipment market is hoping for an up-turn in general business conditions to revive new car sales.

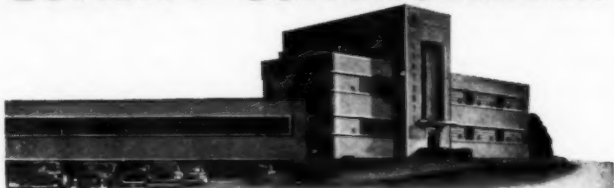
Asbestos Paper. Orders for this material are very slow at the present time, thus production capacity is well in excess of market needs. Demand for *Millboard* remains light and no considerable change is expected in the near future. Volume for the second quarter seems likely to be a little below the same period last year. Due to seasonable weather sales for *Asbestos Saturated Paper* have been off the normal expected for this time of the year.

Insulation. High Pressure. The market for this material is somewhat spotty. Orders are scarce and it is difficult to forecast when an improvement will take place. There is a possibility that volume this year will not equal that of last year.

Insulation. Low Pressure. The market for this material is not as depressed as some other insulation products. The outlook for the year is a slowly decreasing market except in the oil refining areas.

Asbestos Cement Products. This market is very slow and volume for the year is expected to be down from last year unless there is a pick up in construction.

QUALITY-CONTROLLED...



Flintkote's modern research center at Whippany, New Jersey provides the facilities and technical know-how to determine the right fibres for diversified product uses.

...FLINTKOTE Asbestos Fibres

You, too, can gain from experience. The Flintkote Company stresses quality—has manufactured quality products for over fifty years—uses quality-controlled asbestos fibres produced by Flintkote Mines in many of its products.

A wide variety of asbestos fibres now available for *your* use.

For further information and descriptive brochure—Write: The Flintkote Company, East Rutherford, New Jersey.

FLINTKOTE MINES, LIMITED

(Subsidiary of The Flintkote Company) Thetford Mines, P. Q., Canada



The market for *Roofing & Siding* shows a definite strengthening trend. With the coming of the building season the sale of asbestos building products should be good. Easing of mortgage money plus the trend to home improvement should produce a good year for this material.

At present leads and prospects for *Corrugated & Flat* are very slow.

Inclement weather has prevented the improvement which was anticipated for *A-C Pipes*. Normally the month of March shows a seasonal increase; however this has not been experienced. No doubt economic conditions have had some effect on the placement of orders.

The above comments have been made by various informed executives in the Industry. All comments are welcomed.

**Complete Plants for making
ASBESTOS CEMENT PIPES**

Socketed and Non-socketed
Precision Steel Mandrels
Plants for Making Sheets, Small Cement Plants
Plants designed, equipped and financed.

ASBESTOS CEMENT ENGINEERING CO.

Hauptstrasse 26
VADUZ-LIECHTENSTEIN (Switzerland)
P. O. Box 34.849

ASBESTOS FIBRES
ASBESTOS WASTE
Frank G. Ruggles Co. Inc.
26 BROADWAY
NEW YORK 4, NEW YORK

Now . . .

starting from the usual



WET ASBESTOS-CEMENT SHEET

A NEWLY-DEVELOPED LINE OF MACHINERY

(Patents Marchioli & Gremigni)

for manufacturing



FITTINGS

**OF EVERY SHAPE
AND DIMENSION**



- TOUGH**
- RESILIENT**
- COMPACT**
- WATERPROOF**

PLANTS ALREADY IN OPERATION IN OUTSTANDING FACTORIES

Inquiries for Details, Quotations and References are welcome.

ING. G. MARCHIOLI
22 Morgagni, Milan, Italy

Cable: MINITA—MILANO

Phone: 26 67 27

WESTERN ASBESTOS CO. CELEBRATES 50th ANNIVERSARY

At the age of four, Mr. Frank Malloye with his family, left their native Ireland and settled in New York City in 1869. At the early age of fourteen, he became an apprentice bookbinder. Seven years later, and after he had achieved the position of Bindery Foreman, Mr. Malloye had the urge to "go West".

In September 1886, at the age of twenty-one, Mr. Malloye arrived in San Francisco. Shortly after his arrival he found employment at his trade, and three years later embarked into his own bookbinding business. While he was establishing a successful business, Mr. Malloye was confronted with the problem of helping a relative whose deceased husband had established the McDearman Company, a firm engaged in the business of heat and cold insulation. He became interested in this infant industry, and in 1894 assumed the management of the McDearman Company. This Company operated throughout the Pacific Coast area with offices in San Francisco, Los Angeles and Seattle, and represented the H. W. Johns Company, now Johns-Manville.

In 1905, Johns-Manville purchased the McDearman Company and made Mr. Malloye General Manager of their first offices on the Pacific Coast. The morning of April 18, 1906 will be a date long remembered, for it was on this day that San Francisco experienced its disastrous earthquake and fire. The difficulties of re-establishing business operations were finally overcome, but Mr. Malloye's health had become impaired. He left Johns-Manville for a much needed rest.

Later, with his health improved, Mr. Malloye longed to return to the insulation business, so in 1908 he established the Western Asbestos Magnesite Co. A small building was rented on South Park in San Francisco, and it became the first home of the Company. The Company continued to expand, and during the first World War, devoted all of its efforts to marine insulation work.

Mr. Frank Malloye passed away in April 1931. The ownership and management of the Western Asbestos Magnesite Co. was left in the hands of several employees, including those now active—Mr. Charles B. Purcell, Pres

**FOR THE PAST FOUR YEARS
— HARDMAN'S**

**ALL NYLON TOP FELTS HAVE
BEEN SETTING UP**

**FANTASTIC RECORDS IN
PRESSURE PIPE PRODUCTION**

*QUOTE: All Nylon Top Felt installed eight weeks ago is still running
Produced 3,000 tons of 4 mr. pressure pipes on HARDMAN ALL NYLON TOP FELTS*

Now *You can obtain equally*
FANTASTIC RESULTS
FROM BOTTOM FELTS ON —
MAZZA MACHINES

AND SHEETING FELTS ON —
HATSCHECK MACHINES

**BY USING
THE**

NEW **HARDMAN**
NEEDLE REINFORCED
ALL NYLON FELT

*By special process for which patents have either been granted or applied
for in many countries—*

*Thomas Hardman & Sons, Ltd.
Fernhill Mills
Bury, England*

ident, and Mr. Joseph J. Kelley, Secretary-Treasurer. In January 1934, a merger was arranged with the Wayland Company, and at that time Mr. Clarke E. Wayland became Vice President in Charge of Sales. Shortly thereafter the word "Magnesia" was dropped from the name and the firm assumed its present name—Western Asbestos Co. Again, in the second World War, all of the Company's efforts were devoted to defense work.

Western Asbestos Co. continued to expand: offices were opened in Oakland, Sacramento, Fresno, and San Jose. In 1948, arrangements were made to purchase Bay Cities Asbestos Co. of Oakland. The Personnel and facilities were merged, providing additional office and warehouse facilities in both Oakland and Stockton. In 1949, the Building Products Division of the Company was organized in addition to the Industrial Products and Contract Departments.

The Main Office is located at 675 Townsend Street, the Building Products Division at 148 Townsend Street, an additional warehouse is located on Bluxome Street, and the garage and equipment service center is on Portrero Street, all in San Francisco. They maintain offices and warehouses in Oakland, Stockton, Fresno, and No. Sacramento, and an office in San Jose.

The History of our Company, as you can readily see, involves primarily dates and people. We are, indeed proud of the many loyal employees whose efforts through the past years have been responsible for the continued growth of our Company. Proud, too, of the several outstanding Manufacturers we represent, and the friendships we enjoy with our many customers, both old and new.

"ASBESTOS" recently received a very attractive brochure from ETERNIT Genoa Italy describing its Italit-Mazza railway ties (sleepers).

The outstanding qualities of the ties include high resistance to wear and corrosion indestructibility by insects, fire and practically total chemical inertness. Cheap to install, they require practically no maintenance.

Copies of brochure obtainable from ETERNIT, s. p. a., Piazza della Vittoria 11, Genoa, Italy, or from Italit, Inc., 620 Fifth Avenue, New York 20, N. Y.

A. S. H. A. E. GUIDE 1958

The Heating Ventilating Air Conditioning Guide 1958, containing a 1272 page Technical Data Section and a 503 page Catalog Data Section, is the 36th and largest annual edition published by the American Society of Heating and Air-Conditioning Engineers.

Over 19,000 copies of this authoritative reference book were distributed last year with requests still coming in after press run had been exhausted, and now that THE GUIDE 1958 is available a similar demand is anticipated for the new edition.

In planning the 1958 edition it became necessary to again expand the Technical Data Section to include the worthwhile and needed technical data made available since the previous edition.

Heating Ventilating Air Conditioning Guide 1958, 36th edition, 6 x 9 in., blue cloth bound, gold stamped, American Society of Heating and Air-Conditioning Engineers, 62 Worth Street, New York 13, N. Y., single copy price \$12.00.

As a step in the right direction for furtherance of world-wide exchange of technological information the Association of Consulting Chemists & Chemical Engineers, Inc., New York, invites consulting chemists and chemical engineers of all free countries to write to the Association regarding problems requiring American know-how and regarding new or pending technological developments in their own country.

The Association will direct such correspondence to the proper channels and reciprocal actions may be expected from the Association's members.

Correspondence in English and on letterheads should be addressed to the Association, attention of Miss A. B. Bowers, Director of Publicity, 50 East 41st Street, Room 82, New York 17, N. Y.

AUTOMOBILE SALES

	January 1958
Passenger Cars	478,416
Motor Trucks	79,777
Motor Coaches	325
	<hr/> 558,518

In January 1957, a total of 719,431 motor vehicles were sold.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

POSITION WANTED

Asbestos-Cement engineer seeks new position with a progressive employer. Has many years of practical experience in all fields, manufacture, quality control, tests, development, etc., of sheet and pipe production. For full resume write Box No. 4S-M "ASBESTOS", 807 Western Saving Fund Bldg., Phila. 7, Pa.

CLOSING OUT ASBESTOS ROPES

- a. Raybestos $\frac{3}{4}$ " twisted, com'l grade 25# p/u, 4,000# @ 41c per pound.
- b. Raybestos #371 (Braid over Twist) $\frac{1}{4}$ ", 25# p/u, 1,500# @ 79c per pound.
- c. Square braided blue asbestos rope, $\frac{3}{4}$ ", 50# p/u, similar J/M #379, 500# @ \$1.15 per pound.

ORDER ANY QUANTITY

TERMS: Net 10 days, f.o.b. Bethpage, New York, subject prior sale.

THE IRBI COMPANY, P. O. Box 61, Hicksville, N. Y.
Phone—WELLS 5-6600

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ASBESTOS-ORES-MINERALS



100%

pure Amosite Asbestos CAPOSITE Rope

You can insulate better and cheaper with Caposite Rope because it yields 3 times the footage of ordinary asbestos rope on a pound for pound basis. It can be reapplied repeatedly for service up to 750° F. The flexibility of Caposite provides easy application in all diameters from $\frac{1}{4}$ " to 2". Ask for Bulletin 101 and samples.

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In the United States
NORTH AMERICAN ASBESTOS CORPORATION
Board of Trade Building • Chicago 4, Illinois



In Canada
CAPE ASBESTOS (CANADA) LIMITED
200 Bloor Street East • Toronto, Ont. • Canada

Subsidiaries of The Cape Asbestos Co. Ltd., London

PRODUCTION STATISTICS

Canada

(Dept. of Mines, Province of Quebec)

Tons 2,000 lbs.

Production for January 1958 (Quebec)	53,517 tons
Other Provinces	3,933

57,450

Total production for January 1957 was 59,694 tons.

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2,000 lbs.

Production for November 1957	11,270.57 tons
Valued at	£780,353
Production for November 1956	10,790.63 tons
Valued at	£752,926

Cyprus

(From Inspector of Mines)

4th Quarter (ending Dec. 31, 1957)

	October	November	December
Rock Mined	126,985	61,958	4,446
Rock Treated	72,057	31,316	2,828
Fibre Produced	2,127	2,024	1,229
Fibre Exported	2,786	1,466	1,050

Union of South Africa

(Quarterly Information Report—Dept. of Mines)

Tons 2,000 lbs.

3rd Quarter (July, Aug. & Sept. 1957)

	Prod. Tons	Local Sales		Exports	
		Tons	Value	Tons	Value
Amosite	14,709	5	£ 231	13,783	£ 654,637
Anthophyllite .....	.....	.....	.....	.....	.....
Chrysotile	7,177	953	34,394	5,937	384,471
Cape Blue	13,406	275	20,030	12,759	995,146
Transvaal Blue	3,657	7	397	4,280	306,099
Tremolite	52	26	425	.....	.....
	39,001	1,261	£55,477	36,759	£2,340,353

ASBESTOS CORPORATION LIMITED

Report For 1957

The Annual Report of Asbestos Corporation Limited has just reached us and income for the year 1957, after all expenses but before providing for amortization of pre-production and development expenditures at the Normandle Mine and depreciation or income taxes, amounted to \$9,542,813.

Shipments for the year were the highest in the Company's history, being up 8% in volume and 12% in value over the 1956 figures.

With the exception of the Beaver Mine, all plants were in operation at or near maximum capacity during 1957. At the Beaver, stripping operations continued throughout the year and helped account for the record figure of 52,825 tons of all materials handled per working day.

At the King Mine, operations were stepped up to help compensate for the loss of production at the Beaver. Only half of the mill feed of the King Mill came from underground and the balance from the adjacent open pit operations. Underground development work was accelerated in anticipation of an increased scale of underground operations which will occur following the re-opening of the enlarged King-Beaver Mill and the closing and dismantling of the King Mill.

BIRD & SON, INC.

Bird & Son's Chicago, Illinois roofing mill announced the appointment of *T. E. Downey* as Sales Manager for its Central District states.

Mr Downey enters the responsibilities of his new position with a thorough background and experience in roofing product sales, having covered the Central Indiana territory for Bird & Son for the past six years, during which time he built an enviable sales record both for himself and his company.

The Central District which Mr. Downey will head, includes the states of Indiana, Michigan, Ohio and Kentucky with headquarters in the Indianapolis, Indiana area.

THE TRYBEE COMPANY, INC.

Charles J. Becica, the founder and manager of The Trybee Co., Inc., of Madland and Belmont Avenues, Garfield, N. J., has acquired 100% ownership of this firm and has been elected President. This insulation firm operates in the Middle Atlantic Area from New York to Maryland and manufactures Triseal Insulated Pipe for distribution through its dealers throughout the United States. Tryseal Tile Conduit is also manufactured and installed by The Trybee Company for underground heating conduits.

The Trybee Company is an approved contractor for the Ehret Magnesia Manufacturing Company, Baldwin-Hill Company and various other manufacturers

IMPORTS AND EXPORTS

Imports Into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	November 1957
	Tons (2240 lbs.)
From: Canada	34,378
Union of S. Africa	3,900
Australia	254
Rhodesia (Ny)	536
Other Countries	37

39,105

Valued at\$3,953,739

By Grades:

Crude No. 1, Chrysotile, Rhodesia (Ny)	18
Crude No. 1, Chrysotile, Other Countries	3
Crude No. 2, Chrysotile, Canada	14
Crude No. 2, Chrysotile, Other Countries	9
Crude, Other, Chrysotile, U. of S. Africa	844
Crude, Other, Chrysotile, Rhodesia (Ny)	518
Crude, Other, Chrysotile, Other Ctys.	3
Crude, Blue, Australia	254
Crude, Blue, U. of S. Africa	1,654
Crude, Amosite, U. of S. Africa	1,402
Textile Fibres, Chrysotile, Canada	1,067
Textile Fibres, Chrysotile, Other Ctys.	22
Shingle Fibres, Chrysotile, Canada	2,528
Paper Fibres, Chrysotile, Canada	2,467
Other Fibres, Chrysotile, Canada	28,302

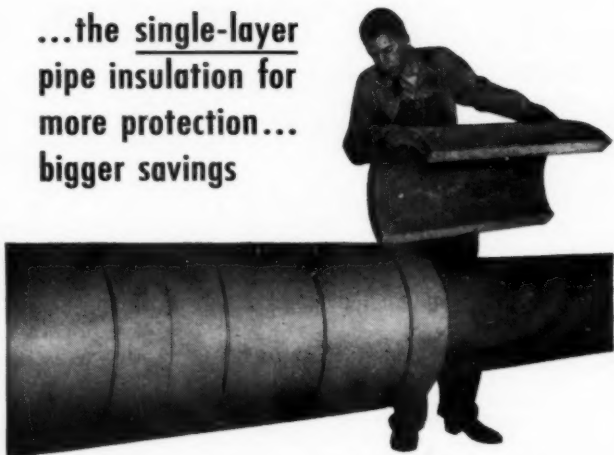
39,105

Manufactured Asbestos Goods:

	November 1957	
	Quantity (lbs.)	Value
Asbestos Yarn, United Kingdom	23,331	\$ 18,939
Other Countries	2,394	2,179
Asbestos Packing & Lining	21,150	6,408
Asbestos Shingles (Impreg.)	42,821	2,533
Asbestos Shingles (Not Impreg.)		
Canada	1,106,932	87,859

UNIBESTOS®

...the single-layer
pipe insulation for
more protection...
bigger savings



Unibestos protects pipelines up to 1200° F. Single-layer construction cuts application costs...seals in more heat at the joints than double-layer insulations. Available in sectional form through 44" O.D.

UNARCO...for the best in asbestos insulation

TEXTILES

Cloth (plain and metallic)
Woven Tapes
Gasket Cloth

Sheet Packings
Front End Tape

FLEXIBLES

Insutube—slip-on
Insutape—wrap-on
Insubestos Felt

Wovenstone®—lace-on
Specialty Insulation

PACKING

High Pressure Rod Packing
Blue Asbestos Packing—
acid resistant

Square Braided Packing
Valve Stem Packings—
twisted and braided

Joint Runners
High Pressure Packing—
semimetallic



Write for new 40-page catalog
UNION ASBESTOS & RUBBER COMPANY
1111 West Perry Street • Bloomington, Illinois

United Kingdom	124,375	13,174
Italy	3,530,717	154,594
Other Countries	6,021	1,321
Asbestos Manufactures—Others .....	.....	2,844
	4,857,741	\$289,851

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	December 1957	
	Tons (2240 lbs.	Value
To: Europe	220	\$17,071
United Kingdom	18	1,786
Other Countries	60	15,739
	298	\$34,596

Manufactured Asbestos Goods:

	December 1957	
	Quantity	Value
Asbestos Cement & Pipe Covering Lbs.	995,670	\$ 186,403
Asbestos Textiles & Yarn	Lbs. 51,320	51,888
Asbestos Packings	Lbs. 179,622	209,146
Asbestos Clutch Facings	No. 67,404	55,783
Asb. Bk. Lng. (Mld. & S. Mld.) Lin. Ft.	223,598	60,510
Asbestos Brake Lining, Rolls ... Lin. Ft.	44,936	21,823
Asbestos Brake Lining, Other	Lbs. 394,667	338,868
Asbestos Construction Materials . Lbs.	1,378,084	189,407
Asbestos Manufactures—Others .....	.....	70,254
		\$1,184,082

RAYBESTOS-MANHATTAN, INC.

Annual Report

Annual Report of Raybestos-Manhattan, Inc. for 1957 shows net income of \$3,453,240, or 4.2% of net sales, compared with 1956 earnings of \$4,108,235, or 4.8% of net sales.

Sales of \$82,176,291 for 1957 were slightly lower than 1956 sales of \$84,630,819.

The 16% decrease in net earnings amounted to \$655,995, and was due principally to a decline in sales of some of the more profitable products and increased cost factors which could not be included in higher prices to customers.

Earnings for 1957 were \$5.47 per share on 630,000 shares of outstanding stock, compared with \$6.54 per share for 1956 on 628,100 shares of outstanding capital stock.

BELL ASBESTOS MINES LTD.

THETFORD MINES, QUE.

CANADA



***Producers of
Raw Asbestos Crudes
& Fibres***



Sales Representatives

for

Cassiar Asbestos Corporation Limited

Exports from Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

	December 1957		Year 1957	
	Tons	Value	Tons	Value
	(2000 lbs.)		(2000 lbs.)	
<i>Crude</i>				
United States	11	\$ 8,184	233	\$ 197,432
United Kingdom ..	.....	.....	146	173,708
South America ....	.....	.....	.....	.....
Central America & Mexico .....	.....	.....	.....	.....
European C'tries ..	10	7,948	177	126,340
Other Countries ..	5	5,500	82	70,251
	26	\$ 21,632	683	\$ 567,731
<i>Milled</i>				
United States	7,691	\$1,501,504	139,200	\$ 25,702,535
United Kingdom ..	1,657	266,319	28,262	6,190,473
South America	990	89,732	20,859	3,769,544
Central America & Mexico	875	140,623	6,825	1,230,483
European C'tries ..	13,845	2,781,254	131,720	26,062,009
Other Countries ..	10,335	1,617,658	66,445	10,983,645
	35,393	\$6,497,090	393,311	\$ 73,948,689
<i>Shorts</i>				
United States	30,181	\$1,651,148	505,124	\$ 25,122,789
United Kingdom ..	5,511	223,096	37,809	1,645,007
South America	254	18,847	4,661	337,874
Central America & Mexico	203	13,012	2,268	144,249
European C'tries ..	8,983	497,872	69,332	3,933,283
Other Countries ..	3,999	319,234	17,417	1,358,787
	49,131	\$2,723,209	636,611	\$ 32,541,989
<i>Grand Total—Unmanufactured Asbestos:</i>				
	84,550	\$9,241,931	1,030,605	\$107,058,409
<i>Manufactured Asbestos Goods:</i>				
Brake Lining	\$	76,443	\$	537,872
Packing .....	.....	.....	.....	14,153
Other Materials .....	.....	31,893	.....	1,328,072
	\$	108,336	\$	1,880,097

ARE YOU INTERESTED IN ASBESTOS THAT—



HAS A LOSS IN WEIGHT OF LESS THAN
3% ON REFLUXING FOR TWO HOURS
WITH 25% w/w HYDROCHLORIC ACID



WITHSTANDS HIGH TEMPERATURES



HAS GOOD FLEXIBLE FIBRES THAT
OPEN UP AND BULK WELL



CAN BE SUPPLIED IN FIBRE LENGTHS
UP TO 1"

IF SO WE CAN SUPPLY AN
ANTHOPHYLLITE WITH THESE
FEATURES



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CABLES CENBESTOS LONDON

CENTRAL ASBESTOS (SA) PTY LTD. P.O. BOX 3570 JOHANNESBURG

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

- Philip A. Meyer, President, Nicolet Asbestos Mines, Ltd., Norbestos, Canada; and Vice President, Nicolet Industries, Inc., New York City, April 16.
- Robert W. Weaver, Vice President, Grant Wilson, Inc., Chicago, Ill., April 16.
- Joseph D. Francis, Secretary-Treasurer, Asbestos Products, Inc., St. Paul, Minn., April 17.
- Lorne Bain, President, Asbestos Erectors of Canada, Ltd., Montreal, Canada, April 19.
- Alvan D. Simpson, President, Asbestos Erectors, Inc., Bound Brook, N. J., April 19.
- George A. MacLellan, Managing Director, George MacLellan & Co., Glasgow, Scotland, April 19.
- Guy H. Montmartin, President, Alpine Mining Corporation, New York City, April 21.
- H. J. Dowd, First Vice President, Smith Asbestos Products, Inc., Millington, N. J., April 22.
- John R. Skidmore, Secretary-Treasurer, Pacific Asbestos-Cement Products Corp., San Bernardino, Calif., April 22.
- H. B. Johnson, District Manager, The Philip Carey Mfg. Company, Chicago, Ill., April 23.
- Joseph Matulicz, Partner, Amity Asbestos Associates, Brooklyn, N. Y., April 26.
- Frank R. Hickory, President, Asbestos Products Inc., St. Paul, Minn., April 27.
- J. Carroll Johnston, President & Treasurer, Atlas Asbestos Company, North Wales, Pa., April 28.
- Merlin W. Simon, Secretary, Sprinkmann Sons Corp., Milwaukee, Wisc., April 30.
- Richard H. Jaffer, President, York Insulation Co., Inc., Hillside, N. J., May 1.
- Frank B. Kreider, Union Asbestos & Rubber Co., Bloomington, Ill., May 2.
- R. G. Bennett, Roofing Manager, A. H. Bennett Co., Minneapolis, Minn., May 4.
- Gerard A. Reynolds, Vice President, Armor Products, Inc., New York City, May 4.
- S. E. Josi, Director, Johns-Manville Co., Ltd., London, England, May 5.
- C. G. Dandrow, Vice President, Johns-Manville Sales Corp., New York City, May 12.
- L. M. Cassidy, Director, Johns-Manville Corp., New York City, May 13.

MOUNTBRIDGE EXPORTERS

(Pty) Ltd.

Chrysotiles

Crocidolites

Amosite

STOLTZBURG MINE

BARBERTON MINE

Transreef House—66 Marshall Street
P. O. Box 4421
Johannesburg — Union of South Africa

F. T. Bennett, Vice President, A. H. Bennett Co., Minneapolis, Minn., May 14.

John L. Anderson, Vice President, Asbestos Products Inc., St. Paul, Minn., May 15.

A. M. Ehret, Sr., Chairman, Ehret Magnesia Mfg. Co., Valley Forge, Pa., May 15.

To all these gentlemen we extend congratulations and good wishes on the occasion of their birthdays.

AMERICAN BRAKE SHOE CO.

Annual Report

Sales and earnings of American Brake Shoe Company set new records in 1957 for the second successive year.

Net earnings were \$9,124,438, up 2 per cent over the \$8,963,359 earned in 1956. Sales for 1957 were \$186,851,369 compared with \$186,142,261 in 1956. Earnings per common share were \$5.67 compared with \$5.57 after adjustment for the number of shares outstanding in 1956 to reflect the conversion of over 75 per cent of the company's preferred stock which took place during the year. The conversion privilege has expired, leaving only 4,750 shares of preferred stock outstanding.

Shipments exceeded incoming orders throughout the second half of the year and the backlog of orders dropped from \$55,400,000 at the beginning of the year to \$38,900,000 at the year-end.

CARTERS (MERCHANTS) LIMITED

SPECIALISTS SINCE 1936 IN THE SALE OF

ASBESTOS FIBRES

ON BEHALF OF PRODUCERS OF ALL

VARIETIES & ORIGINS

WINCHESTER HOUSE, OLD BROAD ST., LONDON E.C.2.



Exporters of
RAW ASBESTOS

ALL GRADES—ALL TYPES

C. J. PETROW & COMPANY (PTY.) LTD.

P. O. BOX 11000 — CABLE: SOTSEBSA

VOLKSKAS BLDG. — 76 MARKET STREET

JOHANNESBURG - SOUTH AFRICA

ASBESTOS TEXTILES

are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.



Write: Asbeston® Dept., Textile Division
UNITED STATES RUBBER COMPANY
1230 Avenue of the Americas, New York 20, N. Y.



INSULATION OF FACTORY BUILDINGS RELEVANCE OF NEW BULLETIN OVERSEAS

Thermal Insulation of industrial buildings is a subject of considerable interest in the United Kingdom at present, due to an Act of Parliament which makes compulsory the adequate insulation of such buildings erected after January 1, 1959.

The Advisory Service of the U.A.M. Group of Companies has therefore issued a bulletin devoted largely to this subject. It sets out the benefits which a proper standard of insulation brings. It emphasizes the necessity to consider related matters, such as the type of ventilation system, when planning insulation. It points out that the choice of materials cannot rest on thermal efficiency alone—initial cost, maintenance costs, ease and speed of construction, fire resistance and appearance must all be investigated.

U.A.M. Group Information bulletins are published every two months. Applications for inclusion in the mailing list should be addressed to the U.A.M. Group Advisory Service, Tolpits, Watford, Herts, England.

FLINTKOTE 1ST QUARTER "DISAPPOINTING"

First quarter results of The Flintkote Company are "disappointing" compared to last year because of "prolongation of the extreme winter weather and a depressed price structure in certain lines", I. J. Harvey, Jr., Chairman of the Board, stated at the Annual Meeting of Stockholders in Boston on March 26.

Mr. Harvey informed shareholders, however, that because of the seasonal nature of certain lines of the company's business the first three months of the year are not typical of Flintkote's full year's operations. He said that the company is still optimistic for total 1958 results.

ATLAS ASBESTOS COMPANY LIMITED APPOINTS GENERAL SALES MANAGER

The appointment of *James Dunn* as General Sales Manager of Atlas Asbestos Company Limited, Montreal, P. Q., Canada, has been announced by J. C. Anderson, Vice President, Marketing Division.

Mr. Dunn, formerly Western Branch Manager, assumed his new duties on April 1st and is located in the Montreal Head Office.

WILHELM BURGDORF

Importer of Raw Asbestos

P. O. Box 1131, BREMEN, GERMANY

CABLE ADDRESS METABEST

METATE ASBESTOS CORPORATION

Producers of

ARIZONA CHRYSOTILE CRUDES

and

FILTRATION FIBRE

Mines & Mill:

**SAN CARLOS
INDIAN RESERVATION
GILA COUNTY, ARIZONA**

**P.O. BOX 1506
GLOBE, ARIZONA**

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

**Our experienced engineers and machinists offer the
industry entire machines built to deliver maximum
production.**

Your Inquiries Are Invited

1-51 Paterson Avenue

E. Rutherford, N. J.

NATIONAL GYPSUM CO.

Annual Report

National Gypsum Company reported its sales, at \$141,472,977, were off about 7% from the all-time of \$151,859,497 in 1956.

Earnings for 1957 amounted to \$12,790,942, equal to \$3.16 per share on the 3,908,828 shares outstanding after the year-end stock dividend. Earnings were about 10% under the \$14,263,528 for the previous year, and compared with \$3.61 per share on the lesser number of shares outstanding last year.

Shrinkage in home building made it difficult to achieve satisfactory sales volume in 1957. However, the year provided an opportunity to improve product, increase efficiency at new plants and intensify the training of sales and production personnel. Also, there was more time to review some long range plans for the years ahead.

FIBREBOARD PAPER PRODUCTS CORPORATION

Annual Report

Fibreboard Paper Products Corporation announced that its net sales for 1957 were \$125,697,000, compared with the record net sales of \$127,384,000 in 1956, the largest sales year in the company's history.

Net earnings were \$4,086,000 or \$2.52 per common share. Earnings in 1956, the record year, were \$5,877,000 or \$3.66 a common share. Common stock outstanding during the year increased principally as a result of a 4 per cent stock dividend to 1,585,025 shares from 1,521,421 in 1956.

During 1957, working capital was increased by \$8,000,000. This was obtained primarily through the sale of the company's Metuchen, N. J., floor covering plant facility and a small wholly-owned eastern paperboard converting subsidiary, Fibreboard Products (Eastern Division) Inc.

PHILLIPS ASBESTOS MINES

Producers of
CRUDES
and

FIBERIZED ASBESTOS
The World's Finest Fibres

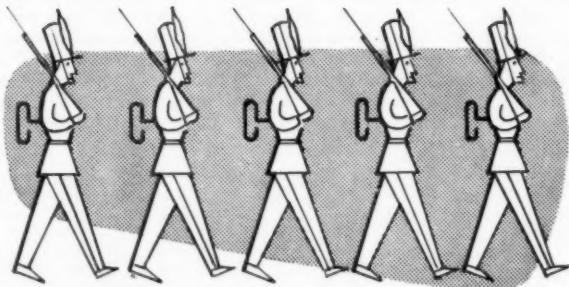
DRAWER 71

GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

DURASORB FELTS

give better uniformity



because...

Albany Felt's new needled construction permits a consistency of fabric which is translated into felt-to-felt uniformity on your machines. This characteristic, combined with exceptional performance in terms of improved finish, drainage and longer life, brings you a new dimension in felts for asbestos-cement shingles, siding and sheets.

Ask your Albany Felt Sales Engineer for full details and case histories on the new DURASORB Felt.



ALBANY

FELT COMPANY

Main Office & Plant, Albany, N. Y.
Other plants: Haasick Falls, N. Y., N. Monmouth, Me.
St. Stephens, S. C., Cowansville, P.Q.

LAKE ASBESTOS OF QUEBEC, LTD.

NAMES BRITISH ASBESTOS SALES AGENT

Sales of its asbestos in the United Kingdom, Ireland, Spain and Portugal, will be handled by the Asbestos Division of Metal Traders Limited, 7 Gracechurch St., London E. C. , it was announced by Lake Asbestos of Quebec, Limited, Black Lake, Quebec, Canada.

Metal Traders has appointed *Charles Z Carroll-Porczyński*, a widely recognized expert on asbestos, as manager of its Asbestos Division. Mr. Carroll-Porczyński has done extensive research on the testing and improvement of asbestos for industry, and especially on the improvement of asbestos textiles. He is well known for his many technical articles on asbestos, perhaps principally for his recently published book, "Asbestos — from Rock to Fabric". This book is generally considered to be the most comprehensive study of the whole asbestos industry.

CAREY—Annual Report

Net income of The Philip Carey Manufacturing Company and subsidiaries for the year ended December 31, 1957, was \$2,623,012, or \$3.08 per common share, compared with \$2,560,413, or \$3.01 per common share for 1956.

Dividends of \$1,360,602, or \$1.60 per common share, were paid during the year.

Consolidated net sales for 1957 were \$69,889,864, compared with \$69,426,109 for 1956.

The wholly-owned subsidiary, Carey Canadian Mines, Limited, sold additional 3¾% notes amounting to \$3,000,000 in Canadian currency. These funds are being used to complete the new asbestos mill and mining facilities near East Broughton, Quebec, bringing the total of these notes to \$7,500,000 and completing the original financing program for this project.

A. L. HAWK—R-M EXECUTIVE

Passes Away

Austin L. Hawk, a sales executive of the Manhattan Rubber Division, died of a heart attack at the age of 47 in Cleveland, Ohio, on the twenty-first of March.

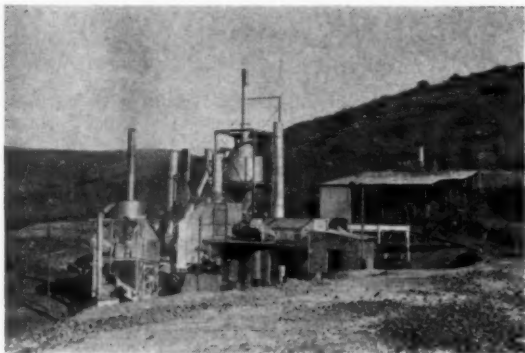
Mr. Hawk started in the Chicago office of the Manhattan Rubber Div. in 1929 as a clerk, and progressed to Field Sales Representative Manager of Distributor Sales, Chicago District Manager, and Manager, Central Sales Region, the position he held at the time of his death. Al Hawk's sudden and untimely passing is a great loss to his company and to his many friends in the mining, quarry, steel, oil and other industries with which he worked closely.

Antony Gibbs & Co., Inc.

61 Broadway

New York 6, New York

Tel. Digby 4-6580



View of Blue Asbestos Reducing Mill

ASBESTOS FIBRES

Chrysotiles, Blues, Amosites

Agent in the United States for

S. A. ASBESTOS TRADING (PTY.) LTD.

**FLINTKOTE ELECTS NEW PRESIDENT
AND EXECUTIVE VICE PRESIDENT**

The election of *George J. Pecaro* as president of The Flintkote Company to succeed *Perce C. Rowe* who has resigned "in order to devote his major time to other interests" has been announced. *George K. McKenzie* has been elected executive vice president to succeed Mr. Pecaro who held that post since April last year.

Mr. Pecaro entered the pulp and paper business after his graduation from Iowa state College in 1930 where he majored in forestry. He joined Flintkote in 1939, directing the construction of and becoming manager of the insulation board plant at Meridan, Miss. He was named general manufacturing manager for the company in 1946 and in 1947 he became general manager of the Pioneer (West Coast) Division. He was elected a vice president in 1948, a director in 1952 and general vice president in 1956.

Mr. McKenzie, formerly vice president and secretary of the company, joined Flintkote in 1928. Following a period of training in general office and accounting work, he became insurance manager and served as assistant secretary from 1936 to 1938 when he was named secretary. In 1945 he was elected a vice president and in 1956 a director. In his new capacity, he will continue as secretary of the company.

**CHANGES IN R-M PHILADELPHIA
SALES DISTRICT**

Raybestos-Manhattan, Inc., Passaic, N. J., announces changes in its Philadelphia Sales District.

R. G. Reigelman has been transferred from Maryland to take up sales duties in northeastern Pennsylvania. *W. A. Clemens* has joined the Philadelphia District as sales representative and will cover most of the territory previously covered by Mr. Reigelman. *Frank McBrearity* is Philadelphia district manager.

ACE ASBESTOS MANUFACTURING CO.

*Importers, Exporters, Processors
of All Varieties of*

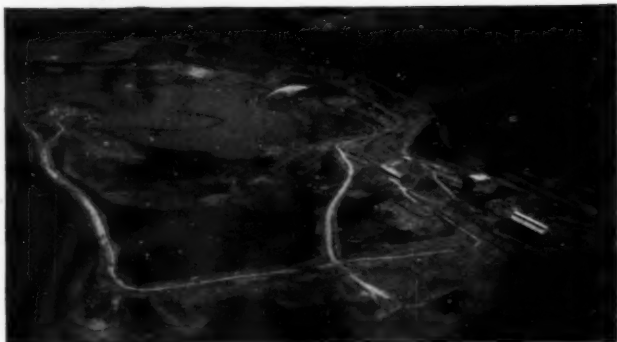
RAW ASBESTOS

*for
Every Use*

451 COMMUNIPAW AVE.

JERSEY CITY, N. J.

Coming in Mid-1958:



New Source of Quality Chrysotile ASBESTOS

ASARCO and Lake Asbestos of Quebec, Ltd., are dredging and draining a 500-acre lake to convert it into one of the richest sources of high quality, longer fibre chrysotile asbestos in the world today.

This year ASARCO's new major open-pit asbestos mine and newly constructed, modern mill will begin to produce 100,000 tons of asbestos annually. ASARCO has no plans for fabricating asbestos products, so this entire supply will be at your disposal.

If you manufacture or use any of the hundreds of products containing asbestos, you'll want to get acquainted with this dependable new source of supply soon.



Lake Asbestos of Quebec, Ltd.

A Subsidiary of

AMERICAN SMELTING AND REFINING COMPANY

120 Broadway • New York 5, N. Y.

**GALE-RESISTANT SHINGLE
MARKETED BY K&M**

Ability to withstand winds of gale force striking from any angle is claimed for K&M Genasco's new asphalt roofing Lock Shingle being introduced through Keasbey & Mattison Co., Ambler, Pa. Officials of the firm say the shingle will be marketed in New England, New York, New Jersey and the Middle Atlantic States as well as Eastern Ohio, including Cleveland.

The backing up and accumulation of water or excessive moisture under the shingle is virtually eliminated by the action of positive drain channels built into each shingle.

CURRENT RANGE OF PRICE

As of April 10, 1958

ARIZONA—

Per Ton of 2,000 lbs., f.o.b Globe, Arizona

No. 1 Crude (soft).....	\$1,500.00 to \$2,000.00
No. 2 Crude (soft).....	1,000.00 to 1,350.00
No. 3 Crude (soft).....	400.00 to 675.00
Filter Fibre (soft).....	250.00 to 475.00
No. 1 Crude (semi-soft).....	1,200.00 to 1,500.00
No. 2 Crude (semi-soft).....	900.00
No. 3 Crude (semi-soft).....	400.00

CANADA—

Per Ton 2,000 lbs. f.o.b. Mine
Canadian Currency

Group No. 1 (Crude No. 1).....	\$1,475.00 to \$1,850.00
Group No. 2 (Crude No. 2); Crude Run-of-Mine and Sundry	790.00 to 1,200.00
Group No. 3 (Spinning Fibre).....	370.00 to 650.00
Group No. 4 (Shingle Fibre)	180.00 to 245.00
Group No. 5 (Paper)	120.00 to 150.00
Group No. 6 (Waste, Stucco or Plaster).....	36.00
Group No. 7 (Refuse or Shorts)	40.00 to 80.00

**VERMONT—Per ton of 2000 lbs. f.o.b. Hyde Park or Morrisville,
Vt.**

Group No. 3 (Spinning & Filtering).....	\$ 381.00 to \$ 440.00
Group No. 4 (Shingle Fibre).....	185.00 to 205.00
Group No. 5 (Paper Fibre).....	123.00 to 155.00
Group No. 6 (Waste, Stucco or Plaster) ..	88.00
Group No. 7 (Refuse or Shorts).....	42.00 to 77.00

AMERICAN BRAKE SHOE CO.

New Appointments

American Brake Shoe Company has announced the appointment of *Winifred M. Manning* as comptroller of its Kellogg Division, located in Rochester, N. Y.

Miss Manning is the first woman in Brake Shoe history to have been promoted to such a management position. Furthermore, she is one of the few women in the country to hold the position of division comptroller. Miss Manning has been with the company since 1939. She started as bookkeeper of the Kellogg Division and has held various positions in accounting until appointed assistant division comptroller in 1955.

John M. Davis has been appointed patent attorney for American Brake Shoe Company. Prior to joining Brake Shoe he was a senior patent attorney for General Electric Company and a patent examiner for the U. S. Patent Office.

R-M ESTABLISHES MINNEAPOLIS SALES DISTRICT

To better serve its mid-western markets, Raybestos-Manhattan, Inc., Passaic, N. J. announces the establishment of a Minneapolis sales district at 6113 Excelsior Boulevard, Minneapolis, Minnesota. It will operate as part of the Central Sales Region headquartered at Chicago.

Edward E. Steinbauer as Minneapolis District Manager will supervise the sale and distribution of industrial rubber products, packings and asbestos textiles. He is assisted by *William R. Houston* and *Hilton N. Schuchman*, both sales representatives. All three have had considerable experience in the sale and servicing of rubber products and packings.

THE RUBEROID CO. ANNOUNCES ITS SPRING ADVERTISING CAMPAIGN

The Ruberoid Co. announced its 1958 spring radio advertising campaign through a closed circuit radio sales meeting. It was beamed to hundreds of company salesmen and customers throughout the country.

During the closed circuit show, announcer Ben Grauer explained that the national program will be built around the Ruberoid Home Check, a device that offers a service to home owners interested in keeping their houses in good condition.

The programs are scheduled to be presented in ten — five minute segments each weekend starting April 12th.

KEASBEY & MATTISON CO.

Bradfield Scranton is the new industrial relations manager at Keasbey & Mattison Co., Ambler, Pa. Mr. Scranton will handle labor relations and personnel administration for the firm. Prior to joining K&M, Mr. Scranton served as assistant manager of industrial relations for the Penn-Dixie Cement Co., Nazareth, Pa.

NICOLET DEDICATES NEW BUILDING

Governor Robert B. Meyner was principal speaker on March 14th at exercises dedicating the new office, research and laboratory building of Nicolet Industries, Inc., in Florham Park, N. J.

Governor Meyner said the new installation helped fortify New Jersey's position "as the scientific and industrial research center of the nation".

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

February 1958

	Par	Low	High	Last
Amer. Br. Shoe (Com.)	np	35	37½	36½
Amer. Br. Shoe (Pfd.)	100	80	80	80
Armst. Ck. (Com.)	1	25¼	27½	26¾
Armst. Ck. (Pfd.)	np	86¾	88½	86¾
Asbestos Corp. (Com.)	np	29½	32	31
Carey (Com.)	10	26¼	28½	26¼
Cassiar Asb. Corp.	np	\$7.15	\$7.50	\$7.50
Celotex (Com.)	1	27¼	31½	31½
Celotex (Pfd.)	20	17½	18½	18½
Certainteed (Com.)	1	8¾	9¾	9¾
Fibreboard Paper Prod. (Com.) ...	np	24½	26½	24½
Fibreboard Paper Prod. (Pfd.)	100	93	97	95
Flintkote (Com.)	5	41	45¾	42¾
Flintkote, (Pfd.)	np	89	93¾	91
Johns-Manville (Com.)	5	37	39¼	38½
Natl. Gypsum (Com.)	1	44¾	47¾	47¼
Natl. Gypsum (Pfd.)	np	93¾	95	95
Ray-Man (Com.)	1	51	52¼	51½
Ruberoid (Com.)	1	35½	37¼	35¾
Thermoid (Com.)	1	11¾	12¼	12
Thermoid (Pfd.)	50	46¼	46¾	46¾
Union Asb. & Rub. (Com.)	5	6½	6¾	6¾
United Asb. (Com.)	1	\$5.05	\$6.85	\$6.75
U. S. Gypsum (Com.)	4	69½	72½	71¼
U. S. Gypsum (Pfd.)	100	162	164	162
U. S. Rubber (Com.)	5	31¾	34½	33¾
U. S. Rubber (Pfd.)	100	145¼	151½	147

RAW ASBESTOS DISTRIBUTORS

LIMITED

**FOR CANADIAN, RHODESIAN
AND SOUTH AFRICAN ASBESTOS**

ASBESTOS HOUSE • 77-79 FOUNTAIN ST. • MANCHESTER 2
ENGLAND

PATENTS

Abstracts of U. S. Patents on Asbestos and Asbestos Products by Oliver S. North.

Copies of patents can be obtained by sending 25 cents (in coin) to the Commissioner of Patents, Washington 25, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Fire Resistant Composition of Silicate, Refractory and Nitrile Type Rubber and Article Containing the Same, No. 2,821,514. Granted on January 28, 1958 to D. V. Sarbach and V. G. Boger (assignors to The B. F. Goodrich Co., New York City). Fire resistant and insulating composition for coating steel plate and the like comprises an alkali metal silicate adhesive, refiberized asbestos, a rubber polymer and an insulating refractory material, such as fire clay. Product is stable, easy to apply, non-toxic, non-flammable, and has high resistance to mechanical and thermal shock and repeated temperature variations.

Ornamental Device, No. 2,821,802. Granted on February 4, 1958 to C. F. Glaser. Process for making Christmas tree ornaments or like decorative items. A conical cardboard shell is filled with a mixture of gypsum plaster, asbestos powder and a hardenable paste. When the mixture is hard it is given three coatings; first, a polyvinyl compound; then a mixture of salt, exfoliated vermiculite and an organic plastic; and, finally, sodium silicate. While the latter is still wet, the article is sprayed with glass beads, diamond dust, tinsel or other light reflective material.

Flux Compound, No. 2,823,112. Granted on February 11, 1958 to J. J. Miller. Metallurgical flux employed in treatment of ores of copper, manganese or iron to recover metal consists of asbestos fibre, borax or fluorspar, potassium permanganate, cake camphor, zinc chloride, potassium bitartrate and soda ash.

FLINTKOTE ELECTS NEW DIRECTOR

The election of *Wilson Harvey* as a director of The Flintkote Company has been announced. He is vice-president in charge of the Pioneer (West Coast) Division of the company and makes his headquarters at Flintkote's plant in Vernon, California.

Mr. Harvey joined Flintkote in 1941 at East Rutherford, N. J., following his graduation from Yale University. After his discharge from the Army in 1946, he rejoined Flintkote and since then has worked in virtually every phase of the company's operations and in most of its plants in the United States and Canada.



Drastic reduction of heat loss with
PABCO PRECISION-MOLDED CALTEMP
 a Calcium Silicate Insulation

When vapors or liquids are conveyed or held at temperatures up to 1900° F.—when equipment is operated to high heat levels—Pabco insulations cut heat losses to absolute minimums. "Precision-Molded" by a patented process, Pabco's Caltemp and 85% Magnesia pipe and block insulations control temperatures within close tolerances. For data on technical advantages, case histories, or engineering consultation, write . . . or call a Pabco insulation engineer.

PABCO

INDUSTRIAL INSULATIONS DIVISION

Fibreboard Paper Products Corporation
 San Francisco 19 • Chicago 54
 Houston 4 • New York 16 • Los Angeles

INSULATION GUIDE

Temperature	Recommended Pabco Insulation
to 550° F.	85% Magnesia pipe covering • block • cement
to 1200° F.	Caltemp pipe covering • block • cement
to 1500° F.	Prasco 15 C pipe covering • block • cement
to 1900° F.	Prasco 19 C block

A manual on the application of flat Asbestos-Cement Sheets has been published by the Asbestos-Cement Products Association.

The manual which is the first ever issued specifically on flat sheet application, presents in one concise booklet a detailed guide on the application, cutting, handling and storing of flat Asbestos-Cement Sheets.

Available to dealers, contractors and applicators free of charge, the manual may be obtained by writing to the Asbestos-Cement Products Association, 509 Madison Avenue, New York 22, N. Y.

Now the greatest enemies of wood can be stopped dead. That is the claim made by Bird & Son, Inc., East Walpole, Mass., of its newest products — Bird Termibar and Biard Termibar Caulk.

Bird Termibar is an exclusive termite resistant vapor barrier that reportedly stops and poisons termites, seals out moisture and kills fire ants, carpenter ants and other insects.

Bird Termibar Caulk, an asphalt caulking compound containing dieldrin is designed for use with Bird Termibar to be applied in open space around pipes, structural members and other openings.

Don Moore, executive director of the Home Improvement Council, announced the availability of a color film strip explaining HIC's program and objectives. The film, produced by LIFE Magazine, is designed for use by local groups planning Chapters of HIC, but is also offered to individuals.

Copies of the 14-minute, 35 mm film with its 33 1/3 rpm record narration, can be obtained from HIC, 2 East 54th Street, New York 22, N. Y. Copies of the script are also available to persons considering use of the film.



We take raw asbestos and fashion it to the needs of a thousand and one different consumers. Closely controlled through all stages of manufacture, asbestos is converted into Fibre, Yarns, Tapes, Cloths, Rovings, Tubing and Webbing widely used for heat and electrical insulation. It is also fabricated into many different kinds of friction materials, including the world-famous Mintex brake and clutch linings.

**BRITISH BELTING
& ASBESTOS LTD.**

Cleckheaton, Yorkshire, England



BOOK LIST

- The Asbestos Factbook**, 16 pages: Information in comment form on origin, facts, locations, uses of analyses, qualities, 25c per copy.
- Asbestos Mining Methods**. By C. V. Smith. (Reprint) 16 pages 25c per copy.
- Milling Asbestos**. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.
- Recovery of Raw Asbestos**. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.
- Canadian Chrysotile Asbestos Classification**. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages 25c per copy.
- Processing Asbestos Fibres**. 8 pages. (Reprint). 25c per copy
- Tests for Cotton Content**. 4 pages (Reprint). Describing several methods of testing asbestos textile for cotton content. 10c per copy.
- Chart—Dollars Cost of Uninsulated Pipe**. (Reprint), 20c each
- Brake Linings of Various Types**. By R. T. Halstead, (Reprint) (12 pages) from August, September and October 1949 "ASBESTOS". Price 25c per copy.
- Twelve Estimating Tables**, with Chart. Convenient in figuring flange fittings and other areas, \$1.00 per set.
- Manual of Unit Prices**. For figuring pipe covering and blocks 90c per single copy postpaid. Discount in quantities of 6 or more, postage billed.
- Order any of the above from "ASBESTOS," 807 Western Saving Fund Bldg., Philadelphia 7, Pa. Payment should accompany order.

Know what's happened to the "little red school-house"? A recent study shows it's still with us, as part of the "campus scheme".

"Campus schemes" feature the separation of classroom buildings and play areas for various age groups. Elementary schools designed according to the "campus scheme" are the topic of a 30-page pictorial presentation in the Current issue of *Architectural Record*, a professional magazine for architects and engineers published by F. W. Dodge Corporation.



R/M-
PIONEER IN
ASBESTOS

Raybestos-Manhattan, Inc., holds a firm position among the leaders in the asbestos industry as a pioneer in developing new uses and markets for asbestos, and is a prime producer of asbestos products ranging from lamp wicks to missile fins. Call on R/M for any asbestos products.

RAYBESTOS-MANHATTAN, INC.

ASBESTOS TEXTILE DIVISION, Manheim, Pa.



FACTORIES: Manheim, Pa.; Bridgeport, Conn.; Paramount, Calif.; No. Charleston, S.C.; Passaic, N.J.; Neenah, Wis.; Crawfordsville, Ind.; Peterborough, Ontario, Canada.

RAYBESTOS-MANHATTAN, INC., Asbestos Textiles • Laundry Pads and Covers • Engineered Plastics • Mechanical Packings • Abrasive and Diamond Wheels • Brake Linings • Brake Blocks • Clutch Facings • Industrial Rubber • Rubber Covered Equipment • Sintered Metal Products • Industrial Adhesives • Bowling Balls.

SOUTHERN ASBESTOS — TEXTILES



SOUTHERN ASBESTOS COMPANY, CHARLOTTE 1, N. C.

